

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	1	(antifreeze OR AFP) AND (chapman OR "van der laar" OR lindner OR visser).in. AND (yeast OR cerevisiae) AND (pmt1\$ OR pmt2\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/10 10:28
S3	90	(antifreeze OR AFP) AND (yeast OR cerevisiae) AND (pmt1\$ OR pmt2\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/10 10:28
S4	2	(antifreeze OR AFP) AND (cerevisiae same (pmt1\$ OR pmt2\$))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/10 10:29
S5	199	antifreeze AND cerevisiae	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/10 10:29
S6	10	S5 AND ((pmt1 OR pmt2) AND (knockout OR knock-out OR delete OR deletion OR "homologous recombination" OR inactivate OR activation) AND (heterologous OR recombinant))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/10 16:18
S7	7	"9404687".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/10 14:45
S8	2	"20020068325".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/10 14:53
S9	2	"5714377".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/10 16:01
S10	15214	(chapman OR (van adj de adj laar) OR lindner OR visser).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/10 16:03
S11	296	pmt\$ same (mutant OR mutation)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/10 16:03
S12	1	S11 and antifreeze	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/10 16:03
S13	19	S10 and antifreeze	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/10 16:03

## EAST Search History

S14	1	S13 and pmt\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/10 16:03
S15	3	"2002048382".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/10 16:18
S16	1	"02048382".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/10 16:18
S17	2	"20020048382".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/10 16:19
S18	1	"200248382".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/10 16:19

Untitled

GOOGLE search strategy; 10/539,229; 1/10/08

- 1) (antifreeze OR AFP) AND (chapman OR "van der laar"  
OR lindner OR visser) AND yeast AND (pmt1 OR pmt2)
- 2) (yeast OR cerevisiae) AND ("pmt1 deficient" OR  
pmt1-deficient OR "pmt2 deficient" OR pmt2-deficient)
- 3) (yeast OR cerevisiae) AND (pmt1 OR pmt2) AND  
(knockout OR knock-out OR delete OR deletion OR "homologous  
recombination" OR inactivate OR activation) AND  
(heterologous OR recombinant)
- 4) (yeast OR cerevisiae) AND cen.pk338

Untitled

Google; 10/539,229; 1/10/08

5) ("pmt mutants" OR "pmt mutant") AND cerevisiae

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|---|--|----------------------------------|
| 1. <a href="#">afp AND cerevisiae</a><br>Database: Dissertations & Theses<br>Look for terms in: Citation and abstract<br>Publication type: All publication types            | <a href="#">Set Up Alert</a> <input checked="" type="checkbox"/> | 1 results as of January 10, 2008 |
| 2. <a href="#">antifreeze AND cerevisiae</a><br>Database: Dissertations & Theses<br>Look for terms in: Citation and abstract<br>Publication type: All publication types     | <a href="#">Set Up Alert</a> <input checked="" type="checkbox"/> | 0 results as of January 10, 2008 |
| 3. <a href="#">(pmt1 OR pmt2) AND cerevisiae</a><br>Database: Dissertations & Theses<br>Look for terms in: Citation and abstract<br>Publication type: All publication types | <a href="#">Set Up Alert</a> <input checked="" type="checkbox"/> | 3 results as of January 10, 2008 |

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## Search

## Most Recent Queries

#11 Search ice structuring protein

Time Result

11:11:07 0

#5 Search antifreeze

11:00:31 16

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Search	Most Recent Queries	Time	Result
PubMed Services	<a href="#">#34</a> Search <b>gentzsch tanner</b>	15:11:42	<a href="#">10</a>
Journals Database	<a href="#">#32</a> Search <b>Vashist and ng</b>	14:57:44	<a href="#">3</a>
MeSH Database	<a href="#">#31</a> Search <b>antifreeze pmt</b>	12:53:34	<a href="#">1</a>
Single Citation Matcher	<a href="#">#30</a> Search <b>afp pmt</b>	12:53:02	<a href="#">6</a>
Batch Citation Matcher	<a href="#">#28</a> Search <b>glycosylation decrease cerevisiae heterologous</b>	12:49:30	<a href="#">3</a>
Clinical Queries	<a href="#">#27</a> Search <b>glycosylation decrease yield cerevisiae heterologous</b>	12:49:21	<a href="#">0</a>
Special Queries	<a href="#">#24</a> Search <b>glycosylation yield cerevisiae heterologous</b>	12:47:47	<a href="#">6</a>
LinkOut	<a href="#">#18</a> Search <b>romanos yeast foreign</b>	12:41:09	<a href="#">6</a>
My NCBI	<a href="#">#10</a> Search <b>#8 AND (cerevisiae OR yeast)</b>	11:25:32	<a href="#">11</a>
Related Resources	<a href="#">#16</a> Search <b>#15 AND (glycosylation OR o-glycosylation)</b>	11:16:04	<a href="#">7</a>
Order Documents	<a href="#">#15</a> Search <b>#8 OR #12 OR #13</b>	11:14:25	<a href="#">513</a>
NLM Mobile	<a href="#">#13</a> Search <b>"ice structuring proteins" OR "ice structuring-proteins"</b>	11:12:27	<a href="#">7</a>
NLM Catalog	<a href="#">#12</a> Search <b>"ice structuring protein" OR "ice structuring-protein"</b>	11:11:34	<a href="#">6</a>
NLM Gateway	<a href="#">#9</a> Search <b>#8 AND (pmt1 OR pmt2)</b>	11:07:53	<a href="#">0</a>
TOXNET	<a href="#">#8</a> Search <b>#6 OR #7</b>	11:07:23	<a href="#">510</a>
Consumer Health	<a href="#">#7</a> Search <b>"Antifreeze Proteins"[Mesh]</b>	11:06:34	<a href="#">510</a>
Clinical Alerts	<a href="#">#6</a> Search <b>"Antifreeze Proteins, Type III"[Mesh]</b>	11:04:50	<a href="#">31</a>
ClinicalTrials.gov	<a href="#">#4</a> Search <b>antifreeze AND (pmt1 OR pmt2)</b>	09:52:28	<a href="#">0</a>
PubMed Central	<a href="#">#3</a> Search <b>driedonks antifreeze</b>	09:50:57	<a href="#">1</a>

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STN Search History for 10/539,229 STEADMAN 1/10/08

(FILE 'HOME' ENTERED AT 16:08:11 ON 10 JAN 2008)

FILE 'REGISTRY' ENTERED AT 16:08:58 ON 10 JAN 2008

SET LINE 250  
SET DETAIL OFF  
E "ANTIFREEZE PROTEIN"/CN 25  
SET LINE LOGIN  
SET DETAIL LOGIN  
SET LINE 250  
SET DETAIL OFF  
E "PMT1"/CN 25  
SET LINE LOGIN  
SET DETAIL LOGIN

FILE 'CAPLUS' ENTERED AT 16:10:20 ON 10 JAN 2008

SET LINE 250  
SET DETAIL OFF  
E CHAPMAN J W/AU 25  
SET NOTICE 1000 SEARCH  
L1 2 SEA ("CHAPMAN J W"/AU OR "CHAPMAN JOHN W"/AU OR "CHAPMAN JOHN  
WILLIAM"/AU) AND (PMT? OR AFP OR ANTIFREEZE)  
SET NOTICE LOGIN SEARCH  
SET LINE LOGIN  
SET DETAIL LOGIN  
SET LINE 250  
SET DETAIL OFF  
E VAN DE LAAR T/AU 25  
SET NOTICE 1000 SEARCH  
L2 0 SEA ("VAN DE LAAR TEUN"/AU) AND (PMT? OR AFP OR ANTIFREEZE)  
SET NOTICE LOGIN SEARCH  
SET LINE LOGIN  
SET DETAIL LOGIN  
SET LINE 250  
SET DETAIL OFF  
E LINDNER N M/AU 25  
SET NOTICE 1000 SEARCH  
L3 5 SEA ("LINDNER NIGEL"/AU OR "LINDNER NIGEL M"/AU OR "LINDNER  
NIGEL MALCOLM"/AU) AND (PMT? OR AFP OR ANTIFREEZE)  
SET NOTICE LOGIN SEARCH  
SET LINE LOGIN  
SET DETAIL LOGIN  
SET LINE 250  
SET DETAIL OFF  
E VISSER C/AU 25  
SET NOTICE 1000 SEARCH  
L4 1 SEA ("VISSER C"/AU OR "VISSER C K"/AU OR "VISSER CHR K"/AU OR  
"VISSER CHRISTIAAN"/AU OR "VISSER CHRISTIAAN KORNELIS"/AU) AND  
(PMT? OR AFP OR ANTIFREEZE)  
SET NOTICE LOGIN SEARCH  
SET LINE LOGIN  
SET DETAIL LOGIN  
L5 6 SEA L1 OR L3 OR L4

FILE 'MEDLINE, AGRICOLA, CAPLUS, BIOSIS, EMBASE, WPIDS' ENTERED AT  
16:14:18 ON 10 JAN 2008

L6 272 SEA PMT? AND CEREVISIAE  
L7 141 SEA L6 AND (KNOCKOUT OR KNOCK-OUT OR DELET? OR "HOMOLOGOUS  
RECOMBINATION" OR INACTIVAT? OR MUTANT OR MUTATION)  
L8 2 SEA L7 AND (AFP OR ANTIFREEZE OR "ICE STRUCTURING PROTEIN")  
L9 10 SEA L8 OR L5  
L10 7 DUP REM L9 (3 DUPLICATES REMOVED)

STN Search History for 10/539,229 STEADMAN 1/10/08

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All: 1

- If making selections (e.g., Subheadings, etc.), use the Send to Search Box feature to see PubMed records with those specifications.
- Select PubMed under the Links menu to retrieve all records for the MeSH Term.
- Select NLM MeSH Browser under the Links menu for additional information.

### ☐ 1: Antifreeze Proteins, Type III

Links

A subclass of ANTIFREEZE PROTEINS that are globular, 6.5 kDa in size and contain compact beta-sheet structures.

Year introduced: 2001

Subheadings: This list includes those paired at least once with this heading in MEDLINE and may not reflect current rules for allowable combinations.

- ☐ administration and dosage
 ☐ adverse effects
 ☐ analysis
 ☐ blood  
☐ chemistry
 ☐ classification
 ☐ genetics
 ☐ immunology
 ☐ isolation and purification  
☐ metabolism
 ☐ pharmacology
 ☐ physiology
 ☐ therapeutic use  
☐ toxicity
 ☐ ultrastructure

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Entry Terms:

- Type III Antifreeze Proteins
- Fish Antifreeze Proteins, Type III
- Fish Type III AFP
- Type III Fish Antifreeze Proteins

#### All MeSH Categories

##### Chemicals and Drugs Category

##### Amino Acids, Peptides, and Proteins

##### Proteins

##### Antifreeze Proteins

## Antifreeze Proteins, Type III

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